Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/20/2020 12:13 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124792	-1	2.30	124956	2.30
Blue	F	SSC	125000	124443	-1	2.34	125120	2.18
Blue	E	FITC	15892	15458	-3	2.90	339	20.56
Blue	D	PE	29999	29129	-3	2.13	636	15.14
Blue	B	PerCP-Cy5-5	43732	43734	0	3.89	1166	21.05
Blue	A	PE-Cy7	30845	30938	0	6.30	588	42.46
Red	C	APC	46112	45188	-3	2.65	1593	12.34
Red	A	APC-Cy7	30458	29574	-3	2.52	780	12.26
Violet	B	V450	7918	7602	-4	4.25	448	12.65
Violet	A	V500	32171	30712	-5	4.12	723	10.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16847	10.14	631	10	N/A	N/A	Pass
Blue	F	SSC	57518	1.59	573	14	N/A	N/A	Pass
Blue	E	FITC	61	65.51	548	5	0.0187	126	Pass
Blue	D	PE	134	50.47	554	6	0.1520	262	Pass
Blue	B	PerCP-Cy5-5	217	50.72	662	6	0.0085	42	Pass
Blue	A	PE-Cy7	109	105.90	705	7	0.0102	19	Pass
Red	C	APC	382	25.47	590	6	0.0236	134	Pass
Red	A	APC-Cy7	172	29.25	560	4	0.0053	900	Pass
Violet	B	V450	67	58.01	463	5	0.0542	2209	Pass
Violet	A	V500	108	33.39	478	4	0.0231	769	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.16	-32.23	0.98
Blue	20.37	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.43
Red	15.18	13.60 - 20.40	N/A	N/A	29.39	30.21	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9975

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments